

## ANTIGUA MONSOON TIME SCALE

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**ABSTRACT:** Antigua has a tropical climate with the weather being warm and mostly dry all year round. The winter months are December through to March and still have average daily temperatures 27<sup>0</sup> C.

The most recent natural disasters are earth quakes, floods, volcanic eruptions, tornado, tsunami, droughts, hailstorms, heat waves, hurricanes, famine, lahar, limnic eruption, Mud flow, solar flares. In Antigua and Barbuda, the predominate natural hazards is also occasionally flooding.

**KEY WORDS:** Antigua and Barbuda Monsoon Time Scale,

### **INTRODUCTION:**

By establishing the Antigua Monsoon Time Scale and maintain , the country can be estimated the impending weather conditions and natural calamities rains, floods, droughts and winds etc in advance. Surface water resources can stil be found.

### **ANTIGUA MONSOON TIME SCALE:**

Antigua monsoon does not mean that Antigua has a separate monsoon. Monsoon means a seasonal reversing wind accompanied by its corresponding weather changes and natural calamities in precipitation. We cannot be said that a monsoon especially to be relevant to a particular country. In every country, every year, in a certain order seasonal winds are repeating. Each and every country has its own monsoon winds and weather conditions. Keeping in view of all above geographical facts and circumstances, after studying the weather conditions and natural disasters in the Argentina, I have proposed a time scale to measure the seasonal winds of the country that is the Antigua Monsoon Time scale.

This is very useful to study the Antigua weather changes and natural calamities such as monsoon movements, rains and other weather changes in advance. The Antigua Monsoon Time Scale – a Chronological sequence of events arranged in between time and weather with the help of a scale for studying the past's, present and future movements of monsoon in the Antigua and its relationship with rainfall and other weather conditions and natural calamities of the country.

Prepare the Antigua Monsoon Time Scale having 365 horizontal days from March 21<sup>st</sup> to next year March 20<sup>th</sup> of a required period comprising of a large time and weather have been taken and framed into a square graphic scale. The main weather events if any of the Antigua have been entering on the scale as per date and month of the each and every year. If we have been managing the scale in this manner continuously, we can study the past, present and future movements of the monsoon and other weather and its weather conditions and natural calamities of the country. The Antigua Monsoon Time Scale reveals many secrets of the monsoon and weather and its relationship with rainfall & other weather problems and natural calamities of the country. The tracking date of main path & other various paths of the monsoon winds on the graph, denotes the onset of the monsoon and weather changes, monsoon pulses or low pressure systems, cyclones and other disturbances etc. And also we can find out many more secrets of the monsoon or weather conditions of the Antigua such as droughts, famines, cyclones, heavy rains, floods etc in the country by keen study of the Antigua Monsoon Time Scale.

### **USES:**

By development of the Antigua Monsoon Time Scale and maintain, the can be study and predict the monsoon movements, weather changes and its related impending weather conditions and natural calamities rains, floods, landslides, avalanches, blizzard and droughts, extreme winter conditions, heavy rainfall, mudflows, extreme weather, cyclones, cloud burst, sand storms, hails, and winds etc in advance.

## **GLOBAL MONSOON TIME SCALES:**

The global Monsoon Time Scale – a Chronological sequence of events arranged in between time and weather with the help of a scale for studying the past's, present and future movements of monsoon of a country and its relationship with rainfall and other weather problem and natural calamities.

Prepare the Global Monsoon Time Scale having 365 horizontal days from March 21<sup>st</sup> to next year March 20<sup>th</sup> of a

required period comprising of a large time and weather have been taken and framed into a square graphic scale. The main weather events if any of the country have been entering on the scale as per date and month of the each and every year. If we have been managing the scale of a country in this manner continuously, we can study the past, present and future movements of monsoon of a country. We can make separate monsoon time scales per each and every individual country.

### **GLOBAL MONSOON TIME SCALES**

African Monsoon Time Scale  
North American Monsoon Time Scale  
Asian Monsoon Time Scale  
Australian Monsoon Time Scale  
European Monsoon Time Scale

### **REGIONAL MONSOON TIME SCALES**

North American Monsoon Time Scale  
North African Monsoon Time Scale  
Indian Monsoon Time Scale  
Western North Pacific Monsoon Time Scale  
South American Monsoon Time Scale  
South African Monsoon Time Scale  
Australian Monsoon Time Scale  
East Asian Monsoon Time Scale

### **SUB-REGIONAL MONSOON TIME SCALES**

South Asian Monsoon Time Scale  
Maritime Continent Monsoon Time Scale  
East African Monsoon Time Scale  
West African Monsoon Time Scale  
Indo-Australian Monsoon Time Scale  
Asian-Australian Monsoon Time Scale  
Malaysian Australian Monsoon Time Scale  
Northern Australian Monsoon Time Scale  
Arizona Monsoon Time Scale  
Mexican Monsoon Time Scale  
South-West Monsoon Time Scale  
North-East Monsoon Time Scale  
South East Asian Monsoon Time Scale

## **INDIAN MONSOON TIME SCALE:**

For example, I have prepared the monsoon time scale for India by preparing the scale having 365 horizontal days from 1<sup>st</sup> April to next year March 31<sup>st</sup> of 128 years from 1888 to 2016 of the required period comprising of large time and weather have been taken and framed into a square graphic scale. The monsoon pulses in the form of low pressure systems over the Indian region have been entering on the scale in stages by 1 for low, 2 for depression, 3 for storm, 4 for severe storm and 5 for severe storm with core of hurricane winds pertaining to the date and month of the each and every year. If we have been managing the scale in this manner continuously, we can study the past's, present's and future's of the India Monsoon and its relationship with rainfall and other weather problems & natural calamities in India.

## **ANALYSIS:**

The India Monsoon Time Scale reveals many secrets of the Indian monsoon and its relationship with rainfall & other weather problems and natural calamities. For example, some bands, clusters and paths of low pressure systems along with the main paths of the Indian Monsoon (South-east monsoon and north-west monsoon) clearly seen in the map of the Indian monsoon it have been some cut-edged paths passing through its systematic zigzag cycles in

ascending and descending orders which causes heavy rains & floods in some years and droughts & famines in another years according to their travel. For example, during 1871-1990's, the main path of the Indian Monsoon was rising over June, July, August and creating heavy rains and floods in most years. During 1900-1920's, it was raising over August, September and resulting good rainfall in more years. During 1965-2004's it was falling over September and causing low rainfall and droughts in many years. At present it is rising upwards over June, July, August, September and will be resulting heavy rains & floods in coming years during 2004-2060. The tracking date of main path & other various paths such as south-east monsoon and north-west monsoon etc., of the Indian Monsoon denotes the onset of the monsoon, monsoon pulses or low pressure systems. And also we can find out many more secrets of the Indian monsoon such as droughts, famines, cyclones, heavy rains, floods, real images of the Indian monsoon, and onset & withdrawals of south east monsoon and north-west monsoon etc. by keen study of the Indian Monsoon Time Scale.

## **PRINCIPLE:**

This is an Astrogeophysical / Astrometeorological phenomenon of effects

of astronomical bodies and forces on the earth's geophysical atmosphere. The cause is unknown however the year to year change of movement of axis of the earth inclined at 23½ degrees from vertical to its path around the sun does play a significant role in formation of clusters, bands & paths of the Indian Monsoon and stimulates the Indian weather. The inter-tropical convergence zone at the equator follows the movement of the sun and shifts north of the equator merges with the heat low pressure zone created by the rising heat of the sub-continent due to direct and converging rays of the summer sun on the India Sub-Continent and develops into the monsoon trough and maintain monsoon circulation.

### **CONCLUSION:**

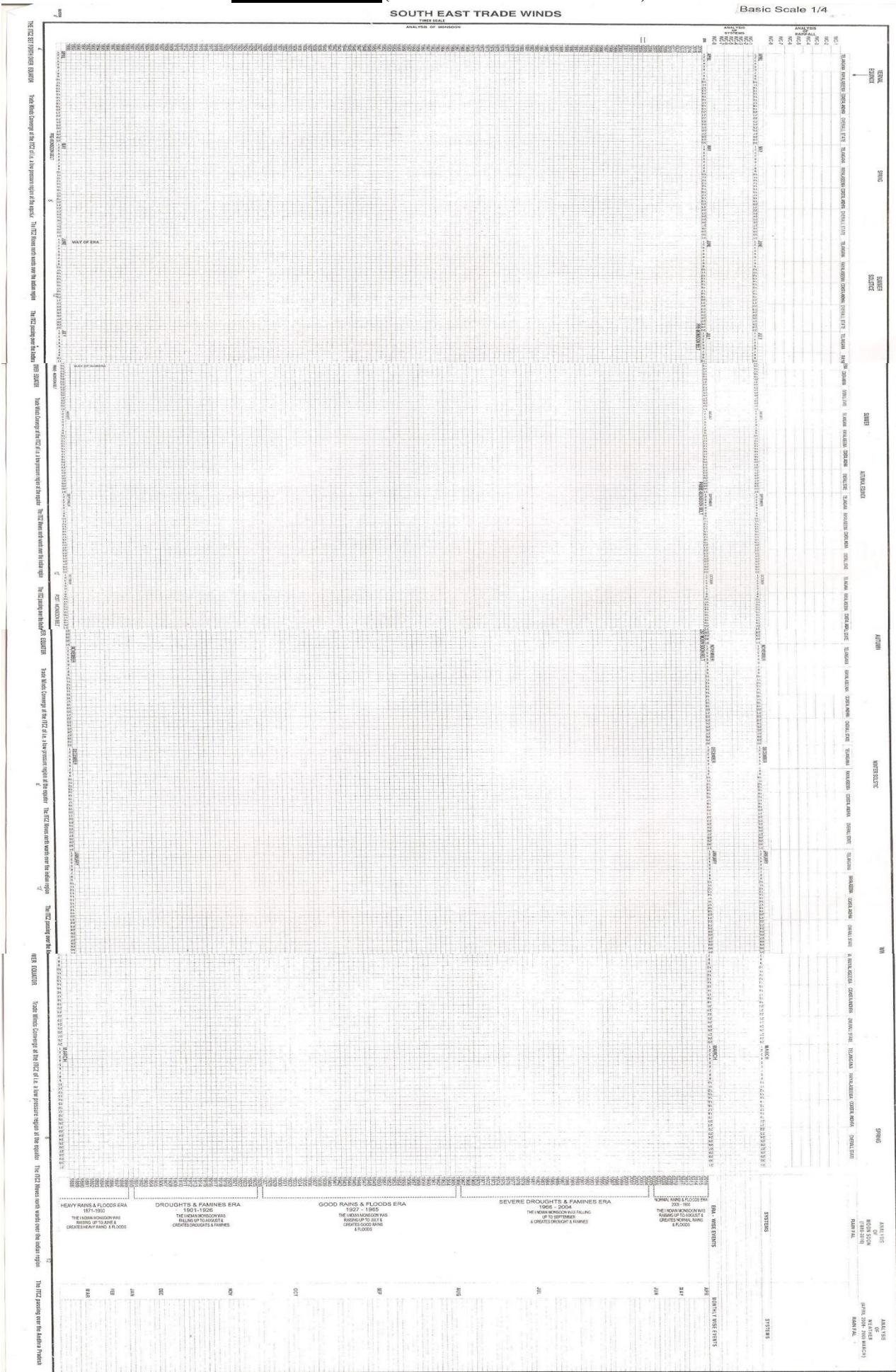
We can make many studies on the weather conditions and natural calamities of the country thus inventing many more forecasting systems and proposing mitigative measures for the welfare of people of the country Argentina.

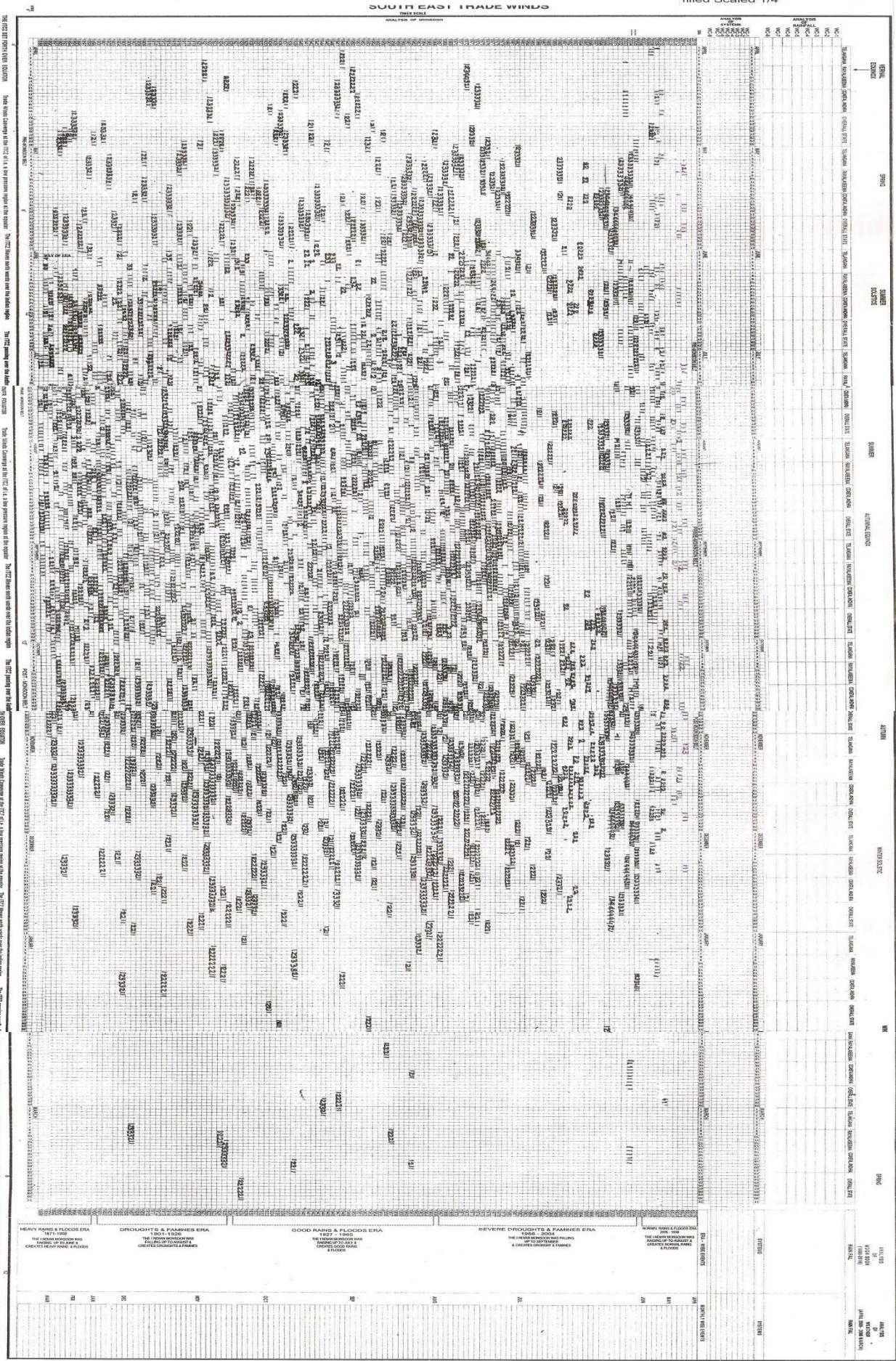
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## APPENDICES

### APPENDICES (Indian monsoon time scales)

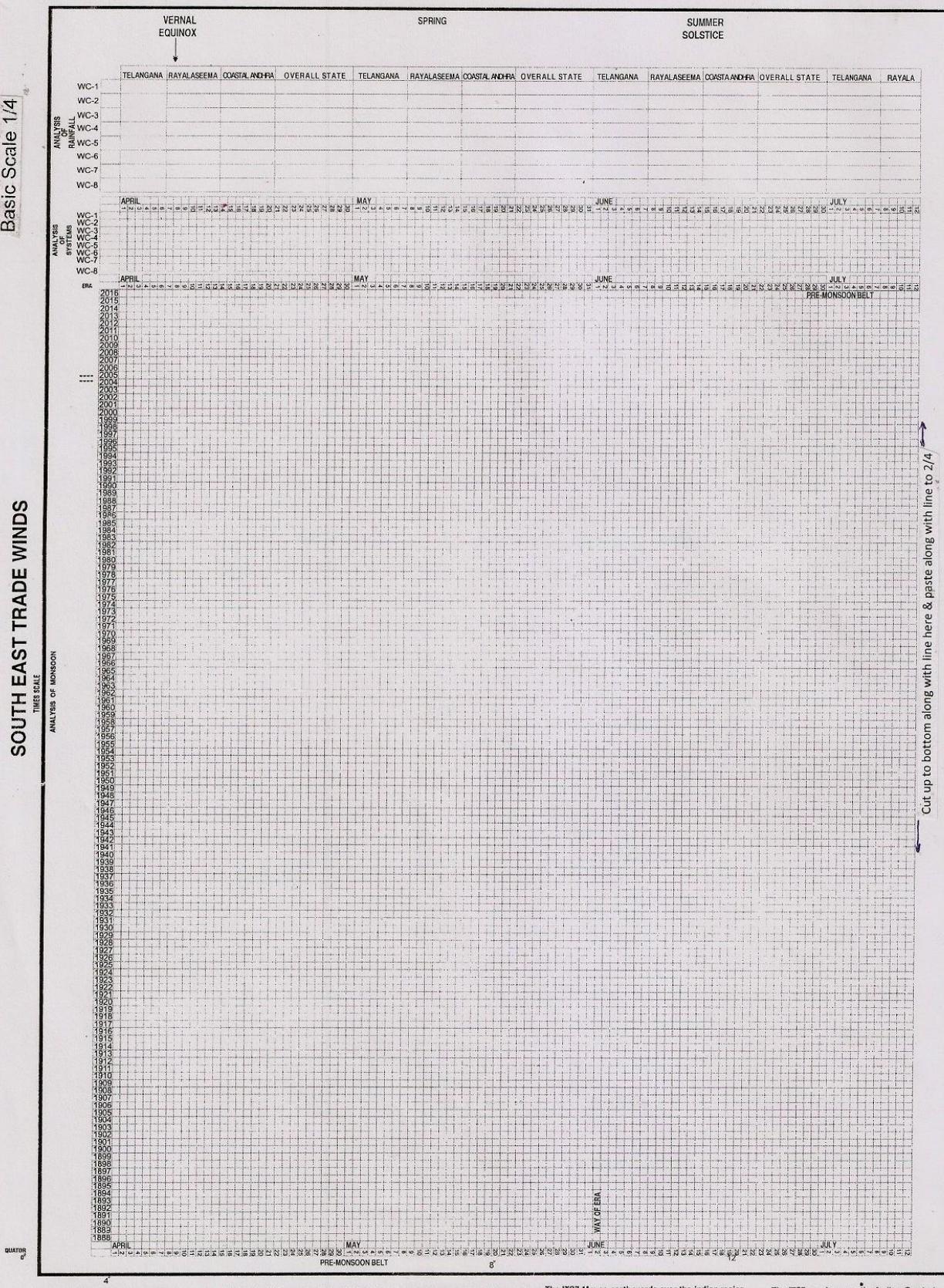






SOUTH EAST TRADE WINDS

Basic Scale 1/4



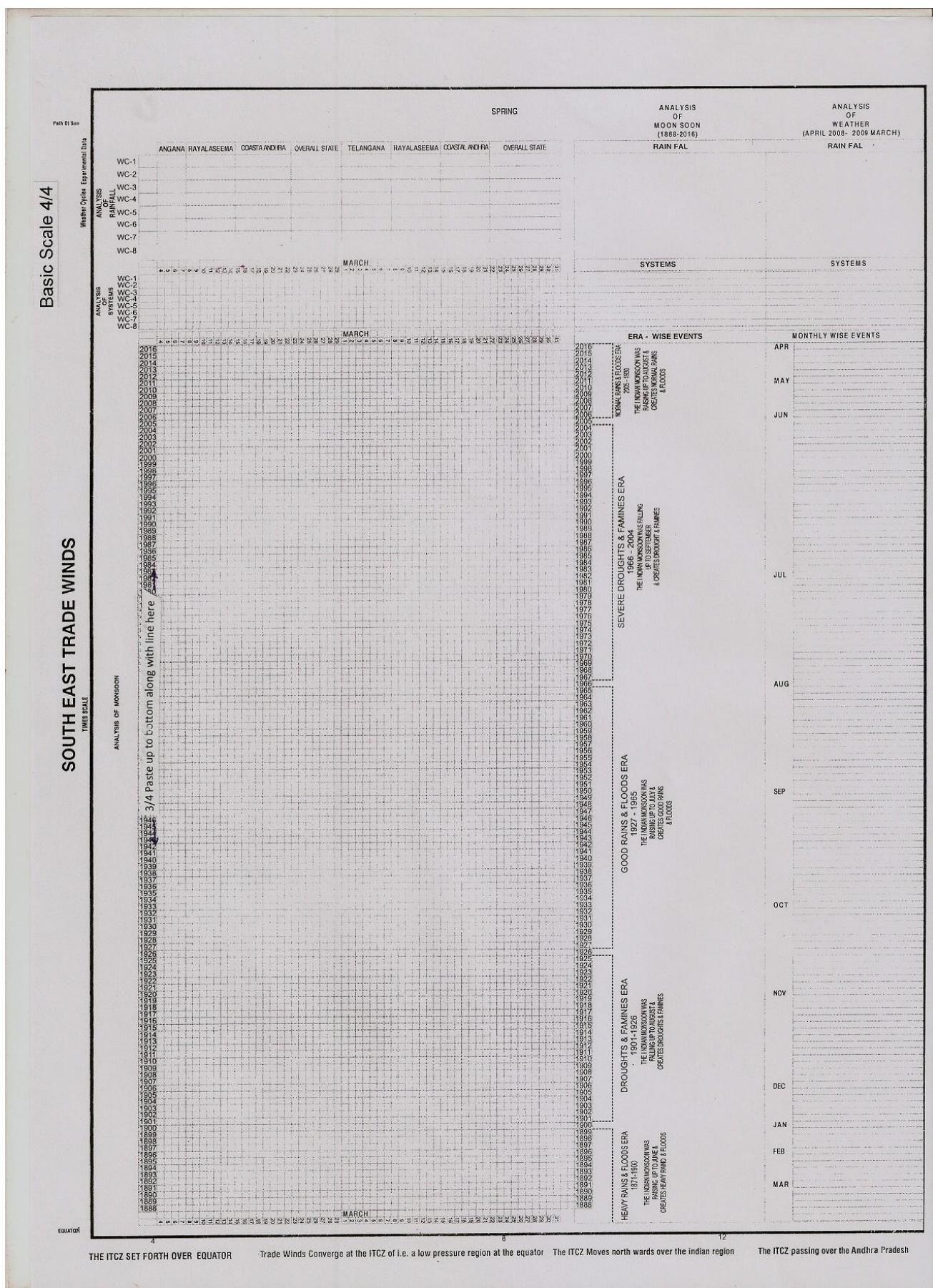
## THE ITCZ SET FORTH OVER EQUATOR

Trade Winds Converge at the ITCZ of i.e. a low pressure region at the equator The ITCZ Moves north wards over the Indian region

### The ITCZ passing over the Andhra Pradesh







filled Scaled-1/4

כונת מילון וארון חינוך

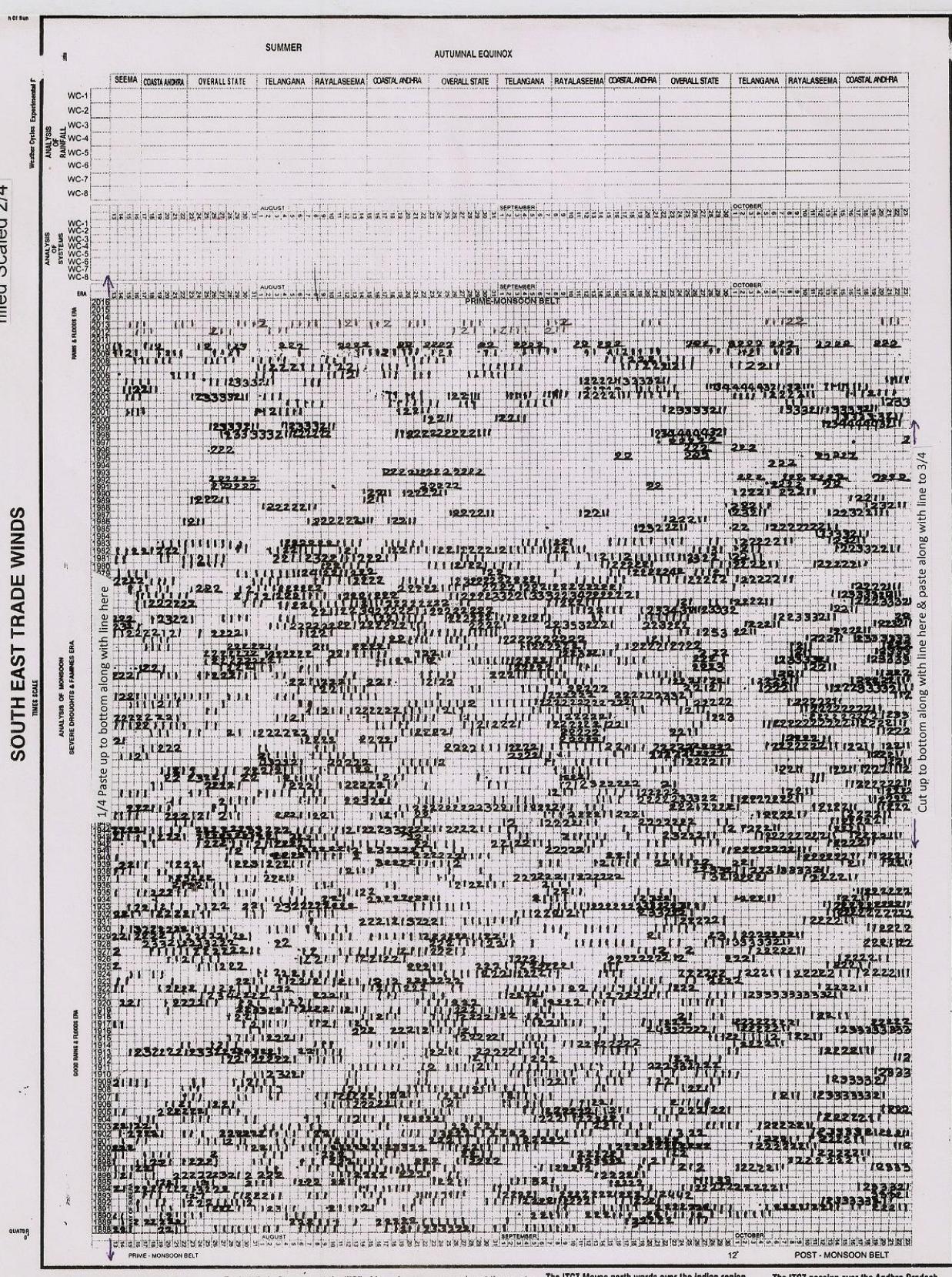
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**Trade Winds Converge at the ITCZ of i.e. a low pressure region at the equator** **The ITCZ Moves north wards over the Indian region**

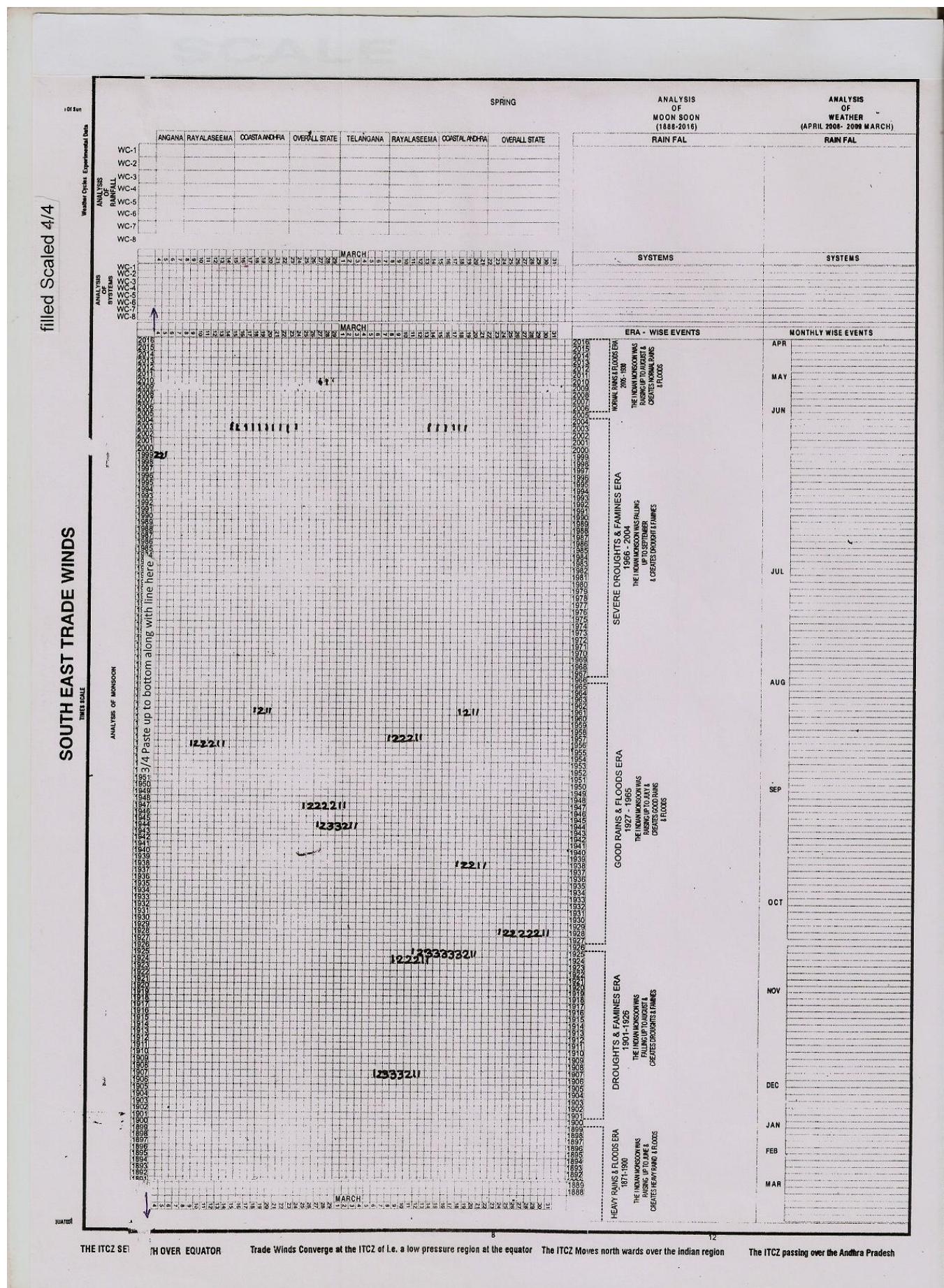
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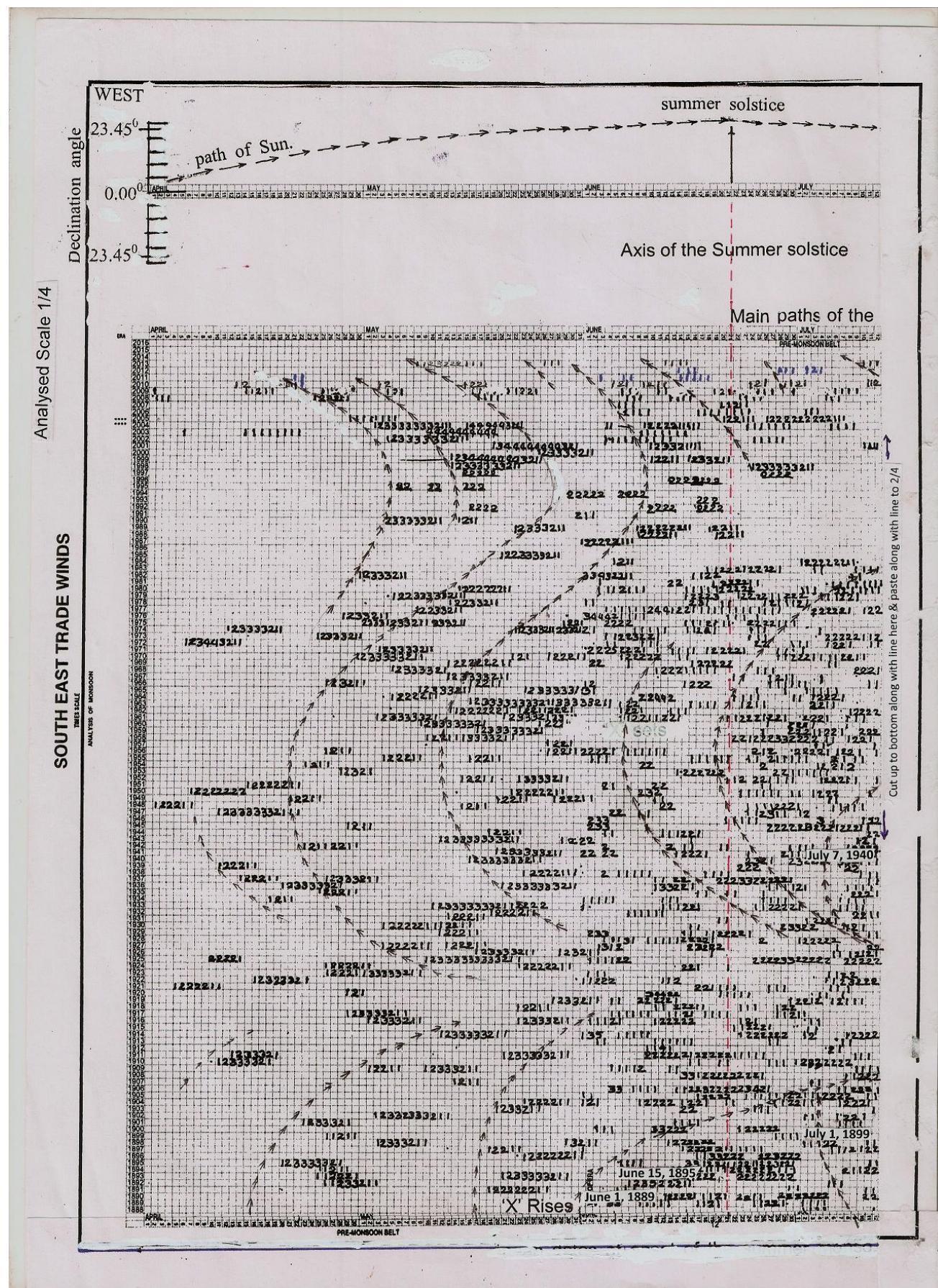
## SOUTH EAST TRADE WINDS

filled Scaled 2/4









# **INDIAN    MONSOON**

### Autumnal equinox,

Analysed Scale 2/4

## SOUTH EAST TRADE WINDS

## Equato

## Indian Monsoon

ian Monsoon. <https://math.stackexchange.com/users/133737/ian-monsoon>

Cut up to bottom along with line here & paste along with line to 3/4

of south west monsoon

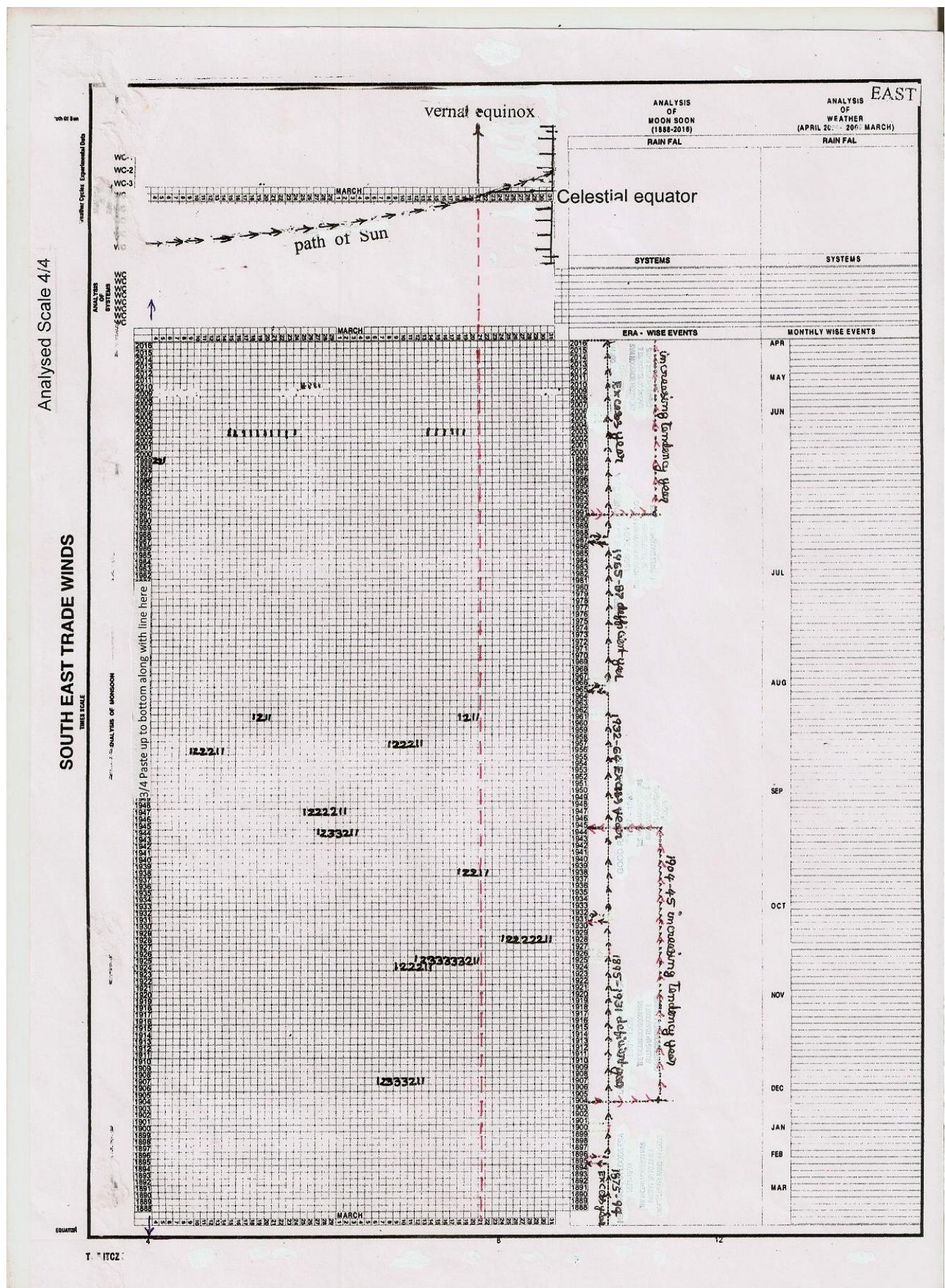
# TIME SCALE

## winter Solstic

### Axis of the Winter Solstice.

Analysed Scale 3/4

SOUTH EAST TRADE WINDS



## MAP OF THE INDIAN MONSOON

ANALYSIS  
OF  
Years  
(1888-1893)

ANALYSIS  
OF  
Months  
(JUN-SEP)

Computerised basic scale from 1888 year to 1983 year for the months of 1<sup>st</sup> June to September, 31<sup>st</sup>

## ANALYSIS

path of the systematic cycle of the Indian Monsoon.

Computerised analysed scale from 1888 year to 1983 year for the months of 1<sup>st</sup> June to September. 31<sup>st</sup>.